Manchester W.C 4/1 8-4

METEOROLOGICAL OFFICE 18 DEC 1964 MANCHESTER WEATHER CENTRE

HYDROLOGICAL MEMORANDA No. 28

RAINFALL 1916-1950 OVER THE AREAS OF SHIEL, ALSH, MAREE, THE INNER AND OUTER HEBRIDES AND LAXFORD

1. Rainfall Averages for the standard 35 year-period, 1916-1950

The determination of 35-year averages, for the months and for the year, was carried out in three stages.

a. Sound, homogeneous records complete for the 35 years, 1916-50, were selected to provide arithmetical averages of monthly and annual rainfall. The averages for stations in this group are given in Table I together with the percentage ratio of each monthly average to the relevant annual average.

The percentage ratios, plotted on a series of 12 maps - one for each calendar month - enabled isopercental lines to be drawn for the whole of Scotland. Small scale copies of the maps for the areas of this Memorandum are shown in Figure 1.

b. Annual averages for the period 1916-1950 were estimated for short-period stations using the methods described in Hydrological Memorandum No.5. The annual averages so found were then apportioned over the 12 calendar months using the isopercental maps referred to in a. above. Table II contains the resulting averages for those stations whose records were acceptable when subjected to the statistical tests mentioned in Hydrological Memorandum No. 5.

c. All available annual averages were plotted, and isohyets drawn on large scale maps. The isohyets, on a reduced scale, are reproduced as Figure 2.

2. Daily Rainfall, 1916-50

A number of stations with regular daily readings were chosen from Table I to provide, for each date of the year, a mean daily value based on the rainfall over the 35 years, 1916-50. The means are shown as accumulations in Table III, the entry under any particular date being the mean rainfall from January 1st to the date in question.

The mean rainfall for any particular period can be obtained by subtracting the accumulated total at the beginning of the period in question from the corresponding total at the end of the period.

3. Frequencies of Daily Rainfall, 1916-50

Stations selected from Table I were used to provide accumulated frequencies of daily rainfall amounts in intervals of mainly 0.10 inch. These are shown in Table IV. For example, the entry at 0.20 inch is the total number of days in the 35 years, 1916-50, with falls of 0.20 inch or more.

4. Extremes of Rainfall

For selected stations, maximum daily falls are set out in Table V, for periods between 1900 and 1963.

5. Further details about rainfall, for example maximum and minimum monthly and annual totals, can be obtained from the Meteorological Office, 26 Palmerston Place, Edinburgh, 12.

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Table I. Monthly and Annual Averages of Rainfall (inches) 1916-1950
Shiel, Alsh, Maree, Inner and Outer Hebrides and Laxford Areas

	Alt. (Ft)	N.G.R.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	
Shiel, Alsh and Maree															
Drimnin House	225	NM (17) 553550	6.79 11.1	4.51 7.4	3.61 5.9	3.67 6.0	3.35 5.5	3.68 6.0	4.23 6.9	5.03 8.3	5.75 9.4	7.43 12.2	6.19 10.2	6.74 11.1	60.98 Inch 100.0 %
Loch Sunart, Glenborrodale	50	NM (17) 607603	7.70 11.0	5.14 7.4	4.14 5.9	4.38 6.3	3.74 5.4	4.45 6.4	4.84 6.9	5.58 8.0	6.58 9.4	8.21 11.8	7.25 10.4	7.72 11.1	69.73 Inch 100.0 %
Arisaig House	40	NM (17) 692848	6.32 9.9	4.27 6.7	3.82 6.0	3.76 5.9	3.37 5.3	4.41 6.9	5.26 8.2	5.65 8.9	6.37 10.0	7.51 11.8	6.46 10.1	6.58 10.3	63.78 Inch 100.0 %
Inverie House	15	NM (17) 774994	9.13 10.8	6.31 7.5	5.48 6.5	5.49 6.5	4.31 5.1	5.25 6.2	6.38 7.6	6.86 8.2	7.89 9.4	9.65 11.5	8.46 10.1	8.92 10.6	84.13 Inch 100.0 %
Ratagan	12	NG (18) 919197	9.19 11.4	6.33 7.9	5.20 6.4	5.39 6.7	3.94 4.9	4.80 6.0	5.94 7.4	6.26 7.8	7.31 9.1	9.16 11.4	8.04 10.0	8.83 11.0	80.39 Inch 100.0 %
Achnashellach	220	NH (28) 038492	8.91 11.0	6.80 8.4	5.59 6.9	5.59 6.9	3.81 4.7	5.02 6.2	5.75 7.1	6.56 8.1	7.13 8.8	9.15 11.3	8.02 9.9	8.67 10.7	81.00 Inch 100.0 %
Applecross House	70	NG (18) 723456	6.58 11.0	4.56 7.6	3.97 6.6	4.15 6.9	3.11 5.2	3.74 6.3	4.24 7.1	5.01 8.4	5.74 9.6	6.76 11.3	5.74 9.6	6.22 10.4	59.82 Inch 100.0 %
Loch Carron, Dunhulladale	9	NG (18) 898397	8.17 10.8	6.23 8.3	5.16 6.8	5.24 6.9	3.64 4.8	4.74 6.3	5.36 7.1	6.27 8.3	6.71 8.9	8.55 11.3	7.39 9.8	8.06 10.7	75.52 Inch 100.0 %
Inner and Outer Hebrides															
Gruline	55	NM (17) 552393	9.23 11.6	6.00 7.5	4.91 6.2	4.79 6.0	4.18 5.2	4.62 5.8	5.14 6.4	6.01 7.5	7.33 9.2	9.75 12.2	8.42 10.6	9.38 11.8	79.76 Inch 100.0 %
Ulva House	50	NM (17) 442389	7.03 11.1	4.48 7.1	3.80 6.0	3.80 6.0	3.47 5.5	3.74 5.9	4.41 7.0	5.00 7.9	5.92 9.3	7.64 12.1	6.82 10.8	7.18 11.3	63.29 Inch 100.0 %
Portree	90	NG (18) 470440	8.10 11.3	5.62 7.9	4.58 6.4	4.55 6.4	3.71 5.2	4.04 5.7	4.69 6.6	5.43 7.6	6.70 9.4	8.53 11.9	7.87 11.0	7.54 10.6	71.36 Inch 100.0 %
Laxford															
Lochmore, Achfary	137	NC (29) 292396	9.20 10.8	6.78 8.0	5.92 7.0	6.48 7.6	3.99 4.7	5.17 6.1	5.58 6.6	6.79 8.0	8.43 9.9	9.26 10.9	8.53 10.1	8.76 10.3	84.89 Inch 100.0 %

Table II. Monthly and Annual Averages of Rainfall, 1916-1950, Estimated for Short-Term Stations Shiel, Alsh, Maree, Inner and Outer Hebrides and Laxford Areas.

Station	N.G.R.	Height (Feet)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year (Inches)
Shiel, Alsh and Maree															
Glenmoidart House	NM (17) 745728	200	8.94	6.57	4.83	4.91	4.03	4.67	5.38	6.17	7.36	9.26	8.15	8.86	79.13
Inverailort	NM (17) 763815	8	9.98	7.37	5.57	5.48	4.49	5.39	6.20	7.10	8.36	10.52	9.44	9.98	89.88
Traigh House	NM (17) 657906	20	6.37	5.17	3.60	3.67	3.01	3.60	4.27	4.93	5.59	7.03	6.37	6.49	60.10
Rhubana	NM (17) 688922	52	7.51	6.10	4.25	4.25	3.62	4.39	5.03	5.74	6.59	8.24	7.51	7.66	70.89
Glenshiel Forest	NH (28) 017132	600	16.28	9.95	8.88	9.01	6.59	8.07	9.28	9.82	12.24	15.47	13.85	15.07	134.51
Nostie	NG (18) 857273	25	7.83	5.58	4.71	4.86	3.55	4.49	5.29	6.01	6.67	8.34	7.25	7.90	72.48
Couldoran	NG (18) 843441	50	9.27	6.85	5.89	5.98	4.25	5.55	6.50	7.28	7.80	9.72	8.40	9.19	86.68
Badachro	NG (18) 778737	50	5.60	4.08	3.51	3.61	2.67	3.30	3.82	4.39	4.86	5.75	5.18	5.54	52.31
Loch-na h'Oidhche	NG (18) 899642	1525	14.41	11.12	9.20	10.02	6.45	8.78	10.16	11.39	12.76	15.37	13.31	14.27	137.25
A'Gharbh-Choire	NG (18) 873701	800	9.55	6.98	6.02	6.36	4.33	5.57	6.36	7.34	8.13	9.73	8.66	9.37	88.40
Loch Bad-Na-Sgalaig	NG (18) 848719	355	7.67	5.61	4.84	5.11	3.48	4.47	5.11	5.90	6.53	7.80	6.95	7.53	71.00
Midtown	NG (18) 821866	40	6.13	4.50	4.50	3.97	2.98	3.68	4.27	4.85	5.38	6.31	5.73	6.13	58.43
Carn Anthony	NG (18) 977579	350	10.35	7.79	6.46	6.74	4.55	5.88	6.74	7.79	8.55	10.64	9.21	10.26	94.96
Kinlochewe	NH (28) 024630	76	8.45	6.36	5.43	5.58	3.64	4.73	5.51	6.28	7.06	8.69	7.52	8.30	77.55
Grudie Bridge	NG (18) 197764	60	6.96	5.28	4.45	4.70	3.03	4.06	4.64	5.28	5.93	7.15	6.25	6.70	64.43
Inner and Outer Hebrides															
Auchnacraig	NM (17) 721326	50	9.19	6.34	4.88	4.80	4.23	4.96	5.69	6.59	7.56	9.67	8.37	9.02	81.30
Iona, Cnocmor	NM (17) 282240	60	5.28	3.58	2.81	2.76	2.76	3.00	3.58	3.92	4.50	5.76	5.18	5.28	48.41
White House of Aros	NM (17) 564455	10	8.63	5.94	4.70	4.70	4.01	4.47	5.32	6.10	7.17	9.42	8.01	8.64	77.11
Tiree	NL (07) 999446	29	4.75	3.12	2.60	2.60	2.55	2.81	3.39	3.61	4.13	5.10	4.66	4.66	43.98
Isle of Eigg	NM (17) 479836	120	6.42	4.66	3.51	3.57	3.21	3.88	4.36	5.03	5.69	7.17	6.54	6.54	60.58

Table II. Monthly and Annual Averages of Rainfall, 1916-1950, Estimated for Short-Term Stations Shiel, Alsh, Maree, Inner and Outer Hebrides and Laxford Areas (continued).

Station	N.G.R.	Height (Feet)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year (Inches)
Inner and Outer Hebrides (Cont)															
Isle of Rhum	NM (17) 402996	15	10.73	7.45	5.76	5.76	5.46	6.36	7.25	8.24	9.24	11.81	10.82	10.43	99.31
Broadford	NG (18) 646228	100	8.82	6.02	5.23	5.39	4.06	4.69	5.55	6.41	7.27	8.90	7.66	8.13	78.13
Kyle House	NG (18) 745265	30	7.23	4.93	4.29	4.42	3.33	3.84	4.54	5.25	5.95	7.29	6.27	6.65	63.99
Grula	NG (18) 384266	60	9.37	6.27	5.18	5.02	4.51	5.02	6.02	6.77	7.86	9.54	9.28	8.78	83.62
Tallisker	NG (18) 325302	15	7.30	4.83	3.99	3.91	3.59	3.98	4.70	5.29	6.13	7.44	7.24	6.85	65.25
Duntulm	NG (18) 399718	294	5.84	3.93	3.24	3.40	2.87	3.35	3.83	4.41	5.05	6.00	5.63	5.58	53.13
Back School	NB (19) 482401	102	4.22	2.67	2.31	2.35	2.30	2.59	3.11	3.38	3.78	4.46	4.54	4.10	39.81
Stornoway	NB (19) 465332	11	4.18	2.68	2.29	2.33	2.29	2.56	3.08	3.35	3.75	4.38	4.50	4.06	39.45
Kyles House	NF (08) 997878	20	4.59	2.93	2.41	2.49	2.67	2.84	3.55	3.72	4.16	4.99	4.90	4.51	43.76
Chliostair Power Sta.	NB (19) 058092	153	6.85	4.48	3.76	3.82	4.02	4.28	5.34	5.60	6.19	7.38	7.38	6.79	65.89
Benbecula	NF (08) 784556	18	4.71	3.01	2.51	2.56	2.74	2.92	3.64	3.81	4.22	5.12	5.03	4.62	44.89
Laxford															
Loch Droma	NH (28) 257755	915	7.75	5.49	4.65	4.65	3.04	3.75	4.33	5.04	5.75	7.30	6.07	6.78	64.60
Glackour	NH (28) 191820	65	6.46	4.80	4.23	4.34	2.63	3.37	3.83	4.51	5.08	6.40	5.48	6.00	57.13
Ullapool	NH (28) 128942	50	5.45	4.07	3.52	3.62	2.33	3.02	3.42	4.01	4.61	5.51	4.81	5.21	49.58
Strath Kanaird Power Sta.	NC (29) 149013	45	6.14	4.63	3.96	4.02	2.68	3.40	3.80	4.46	5.25	6.14	5.47	5.86	55.81
Lochinver	NC (29) 092222	20	5.25	3.75	3.31	3.45	2.38	3.07	3.46	4.04	4.67	5.30	4.91	5.06	48.65
Lochmore Lodge	NC (29) 299386	220	8.22	6.09	5.33	5.78	3.58	4.64	5.02	6.09	7.53	8.29	7.69	7.84	76.10
Cape Wrath	NC (29) 259747	367	5.02	3.27	2.89	3.03	2.61	2.98	3.55	4.03	4.59	5.16	5.35	4.88	47.36

Table III. Accumulated Mean Daily Rainfall, in inches, 1916-1950

GRULINE, MULL

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
1	0.35	9.49	15.42	20.25	25.06	29.28	33.86	39.00	45.07	52.57	62.29	70.90
2	0.68	9.73	15.59	20.42	25.13	29.38	34.09	39.14	45.29	52.83	62.61	71.21
3	1.06	10.03	15.74	20.55	25.23	29.54	34.32	39.25	45.46	53.18	62.94	71.43
4	1.35	10.31	15.93	20.77	25.43	29.70	34.48	39.41	45.76	53.42	63.31	71.76
5	1.67	10.57	16.13	20.96	25.54	29.88	34.56	39.54	45.93	53.75	63.55	72.16
6	1.97	10.82	16.26	21.15	25.69	30.07	34.67	39.70	46.16	54.07	63.81	72.49
7	2.27	11.12	16.41	21.32	25.77	30.25	34.81	39.85	46.49	54.34	64.13	72.86
8	2.63	11.45	16.58	21.54	25.85	30.36	34.95	40.07	46.71	54.65	64.44	73.09
9	3.10	11.70	16.74	21.76	25.94	30.51	35.19	40.29	46.96	55.14	64.74	73.45
10	3.42	11.85	16.83	21.94	26.09	30.61	35.34	40.52	47.16	55.40	65.06	73.78
11	3.76	12.05	16.89	22.13	26.20	30.75	35.44	40.77	47.38	55.78	65.36	74.01
12	4.09	12.20	17.02	22.31	26.31	30.87	35.61	40.94	47.57	56.01	65.63	74.34
13	4.33	12.37	17.08	22.52	26.51	31.00	35.80	41.13	47.86	56.34	65.95	74.68
14	4.68	12.57	17.19	22.74	26.70	31.13	35.93	41.28	48.15	56.59	66.18	75.02
15	4.94	12.87	17.32	22.98	26.91	31.33	36.08	41.50	48.41	56.87	66.36	75.33
16	5.21	13.06	17.49	23.11	27.06	31.50	36.22	41.80	48.76	57.16	66.52	75.62
17	5.41	13.28	17.68	23.26	27.21	31.68	36.37	42.06	49.08	57.58	66.74	75.84
18	5.68	13.49	17.92	23.41	27.34	31.84	36.54	42.22	49.31	57.84	66.97	76.12
19	5.92	13.63	18.15	23.59	27.44	31.94	36.69	42.45	49.59	58.12	67.24	76.40
20	6.14	13.77	18.34	23.72	27.55	32.13	36.94	42.69	49.80	58.60	67.48	76.68
21	6.44	13.97	18.50	23.83	27.73	32.36	37.15	42.90	50.04	58.80	67.73	76.91
22	6.71	14.13	18.62	24.04	27.88	32.51	37.38	43.07	50.35	59.08	68.05	77.14
23	6.98	14.24	18.77	24.21	28.02	32.64	37.58	43.30	50.52	59.38	68.47	77.38
24	7.39	14.37	18.91	24.38	28.13	32.75	37.72	43.46	50.76	59.67	68.75	77.63
25	7.62	14.56	19.04	24.54	28.23	32.90	37.88	43.65	50.98	60.00	69.00	77.93
26	7.87	14.76	19.14	24.67	28.47	33.06	37.99	43.88	51.24	60.30	69.30	78.29
27	8.13	14.96	19.29	24.77	28.64	33.23	38.13	44.07	51.49	60.57	69.52	78.58
28	8.40	15.09	19.44	24.83	28.73	33.42	38.28	44.27	51.74	60.77	69.78	78.87
29	8.61	15.23	19.69	24.88	28.83	33.61	38.46	44.44	51.97	61.22	70.05	79.19
30	8.88		19.89	24.93	28.94	33.73	38.73	44.60	52.21	61.64	70.38	79.43
31	9.23		20.14		29.11		38.87	44.88		61.96		79.76

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Table III. Accumulated Mean Daily Rainfall, in inches, 1916-1950

LOCH MORE, ACHFARY

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
1	.70	9.50	16.21	22.17	28.57	32.52	37.67	43.32	50.13	58.59	67.81	76.42
2	1.09	9.82	16.44	22.38	28.66	32.67	37.79	43.49	50.36	58.91	68.03	76.67
3	1.52	10.12	16.63	22.53	28.72	32.82	37.97	43.67	50.70	59.23	68.33	76.94
4	1.79	10.39	16.78	22.85	28.82	32.99	38.13	43.81	50.93	59.45	68.67	77.22
5	2.21	10.62	17.01	23.04	28.93	33.16	38.33	43.95	51.13	59.80	69.03	77.57
6	2.56	10.89	17.13	23.32	29.08	33.29	38.48	44.05	51.38	60.07	69.33	77.98
7	2.87	11.11	17.31	23.62	29.21	33.42	38.62	44.23	51.65	60.32	69.58	78.33
8	3.14	11.44	17.50	23.81	29.35	33.56	38.83	44.43	51.97	60.59	69.84	78.56
9	3.47	11.75	17.68	23.96	29.46	33.75	38.96	44.64	52.22	60.97	70.13	78.80
10	3.80	12.05	17.86	24.28	29.55	33.97	39.12	44.89	52.53	61.26	70.45	79.02
11	4.11	12.23	18.05	24.60	29.68	34.11	39.29	45.20	52.74	61.60	70.76	79.27
12	4.42	12.45	18.17	24.88	29.82	34.23	39.49	45.43	52.99	61.93	71.11	79.52
13	4.78	12.70	18.26	25.04	30.06	34.37	39.62	45.64	53.27	62.27	71.44	79.76
14	5.07	12.95	18.35	25.29	30.22	34.55	39.78	45.91	53.57	62.62	71.72	80.01
15	5.32	13.17	18.51	25.52	30.39	34.75	39.91	46.21	53.85	62.95	71.94	80.30
16	5.61	13.43	18.68	25.71	30.51	34.92	40.05	46.51	54.18	63.38	72.14	80.61
17	5.85	13.57	18.85	25.89	30.68	35.07	40.19	46.77	54.53	63.71	72.37	80.87
18	6.10	13.80	19.07	26.06	30.89	35.23	40.40	47.00	54.81	64.06	72.59	81.09
19	6.39	13.99	19.23	26.26	31.03	35.36	40.55	47.19	55.16	64.32	72.79	81.33
20	6.57	14.19	19.52	26.46	31.16	35.54	40.77	47.41	55.47	64.52	73.01	81.52
21	6.80	14.41	19.71	26.68	31.26	35.76	41.07	47.71	55.70	64.76	73.26	81.80
22	7.05	14.56	19.85	26.85	31.34	35.95	41.34	47.89	56.13	65.06	73.62	82.08
23	7.31	14.72	20.03	27.06	31.46	36.20	41.55	48.11	56.50	65.41	73.97	82.41
24	7.56	14.88	20.25	27.26	31.60	36.41	41.68	48.37	56.85	65.73	74.32	82.69
25	7.81	15.06	20.44	27.47	31.67	36.58	41.87	48.63	57.11	65.98	74.66	82.93
26	8.03	15.28	20.67	27.68	31.81	36.77	42.10	48.78	57.41	66.36	74.95	83.31
27	8.23	15.50	20.80	27.90	31.92	36.98	42.26	48.94	57.71	66.67	75.21	83.59
28	8.45	15.76	20.96	28.11	32.03	37.16	42.46	49.27	57.91	66.93	75.54	83.90
29	8.62	15.98	21.31	28.24	32.10	37.33	42.63	49.47	58.09	67.13	75.84	84.21
30	8.85		21.69	28.38	32.23	37.54	42.90	49.67	58.34	67.33	76.13	84.46
31	9.20		21.90		32.37		43.12	49.91		67.60		84.89

G.20024/MAL/8/64/100

Table IV. Accumulated Frequencies of Daily Rainfall, in inches, 1916-1950

GRULINE, MULL

Daily Totals	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	All Months
3.20										1	1		2
3.10	1									1	1		3
3.00	1									2	1		4
2.90	1									2	1	1	5
2.70	1	1								3	2	1	8
2.50	1	1								3	3	1	9
2.40	1	1								3	3	2	10
2.30	1	1								4	3	2	11
2.20	2	1								5	3	2	13
2.10	2	1		1	1					5	3	3	16
2.00	4	1		1	2				1	6	4	5	24
1.90	4	2	2	1	2	1			1	6	4	6	29
1.80	4	2	3	2	2	1	1	1	4	10	7	9	46
1.70	7	3	3	3	3	1	1	3	8	11	8	15	66
1.60	11	3	3	4	3	4	6	5	11	14	12	17	93
1.50	15	6	4	7	5	5	8	7	14	20	16	19	126
1.40	23	10	5	9	7	6	8	8	21	27	19	28	171
1.30	33	13	7	12	9	9	9	10	26	33	25	33	219
1.20	42	17	9	14	12	13	11	14	29	50	34	45	290
1.10	54	20	11	20	16	15	14	18	38	59	47	57	369
1.00	68	27	18	26	19	16	21	24	51	71	61	69	471
0.90	87	41	24	34	24	27	28	38	68	96	79	87	633
0.80	118	56	38	41	33	35	45	47	85	127	98	111	834
0.70	146	79	54	56	50	57	55	73	107	166	122	151	1116
0.60	189	97	79	69	60	73	73	99	141	217	160	195	1452
0.50	238	138	105	88	82	97	104	140	176	262	202	241	1873
0.40	298	190	147	128	115	135	147	194	224	328	267	309	2482
0.30	385	263	223	189	160	191	201	252	298	404	369	386	3321
0.20	493	351	297	270	246	276	296	348	396	501	461	486	4142
0.10	641	476	430	416	355	398	449	498	537	624	596	638	6058
0.005	878	720	681	699	627	650	765	774	789	839	827	892	9141
<0.004*	207	269	404	351	458	400	320	311	261	246	223	193	3643
Total No.of Days	1085	989	1085	1050	1085	1050	1085	1085	1050	1085	1050	1085	12784

* Including Rainless Days

Table IV. Accumulated Frequencies of Daily Rainfall, in inches, 1916-1950

LOCH MORE, ACHFARY

Daily Totals	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	All Months
3.90				1									1
3.80				1									1
3.70				1				1					2
3.60				1				1			1		3
3.50				1				1			1	1	4
3.40			1	2				1			1	1	6
3.30			1	2				1	1		1	1	7
3.20	1		1	2				1	1		1	1	8
3.10	1		1	2				1	1		1	1	8
3.00	1		1	3				1	1		1	1	9
2.90	1		1	3				1	1		1	1	9
2.80	1		1	3				1	1		2	1	10
2.70	1	1	1	4				1	2		2	1	13
2.60	1	1	1	4			1	1	2		2	1	14
2.50	2	1	1	4			1	1	4		3	1	18
2.40	2	1	1	4			1	3	4		4	1	21
2.30	5	2	1	4			1	3	4	1	4	1	26
2.20	5	3	1	4			1	3	4	2	5	3	31
2.10	7	3	1	4			1	3	4	2	5	4	34
2.00	8	4	1	5	1	2	1	4	8	3	5	5	47
1.90	8	4	1	6	1	2	2	4	3	4	7	5	52
1.80	8	4	1	7	1	4	3	4	8	6	8	6	60
1.70	11	5	2	10	1	5	4	5	11	8	9	7	78
1.60	17	8	2	11	1	6	5	5	15	10	9	10	99
1.50	18	11	3	15	1	6	8	7	21	12	11	15	128
1.40	26	13	4	17	3	7	12	10	23	14	11	18	158
1.30	31	15	9	17	6	10	13	15	32	22	19	23	212
1.20	42	19	15	19	13	15	16	20	39	29	21	28	276
1.10	55	25	18	25	13	21	21	24	50	46	35	36	369
1.00	64	35	23	32	21	26	25	32	62	62	52	44	478
0.90	75	49	26	42	26	31	32	52	80	84	69	61	627
0.80	96	68	37	60	32	39	42	61	92	104	89	84	804
0.70	122	83	55	78	44	61	57	77	114	134	112	111	1048
0.60	161	115	82	98	56	75	72	105	143	170	151	155	1383
0.50	220	155	119	131	76	93	102	138	186	220	208	209	1857
0.40	286	213	161	183	93	125	159	191	246	312	281	273	2523
0.30	370	298	235	253	129	199	236	272	334	406	370	357	3459
0.20	507	400	335	358	221	299	331	375	436	509	471	464	4706
0.10	644	518	489	508	375	458	471	521	593	631	620	619	6447
0.005	530	692	720	728	624	687	723	751	783	805	794	805	8942
≤ 0.004*	224	269	334	292	430	333	331	303	237	249	226	249	3477
Total No. of Days	1054	961	1054	1020	1054	1020	1054	1054	1020	1054	1020	1054	12419

* Including Rainless Days

Table V. Maximum Daily Rainfall, in inches

	Period	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
Gruline	1908-1958*	1923 3.17	1955 3.15	1913 2.62	1925 2.10	1936 2.14	1938 1.93	1957 2.02	1923 1.81	1935 2.04	1917 3.27	1918 3.22	1948 2.97
Achfary	1909-1950**	1944 3.25	1920 2.76	1938 3.42	1946 3.90	1914 2.03	1923 2.09	1938 2.68	1919 3.76	1921 3.32	1934 2.36	1917 3.62	1943 3.50

* imperfect January 1905 to December 1907; terminated February 1959.

** 1 year missing 1926.

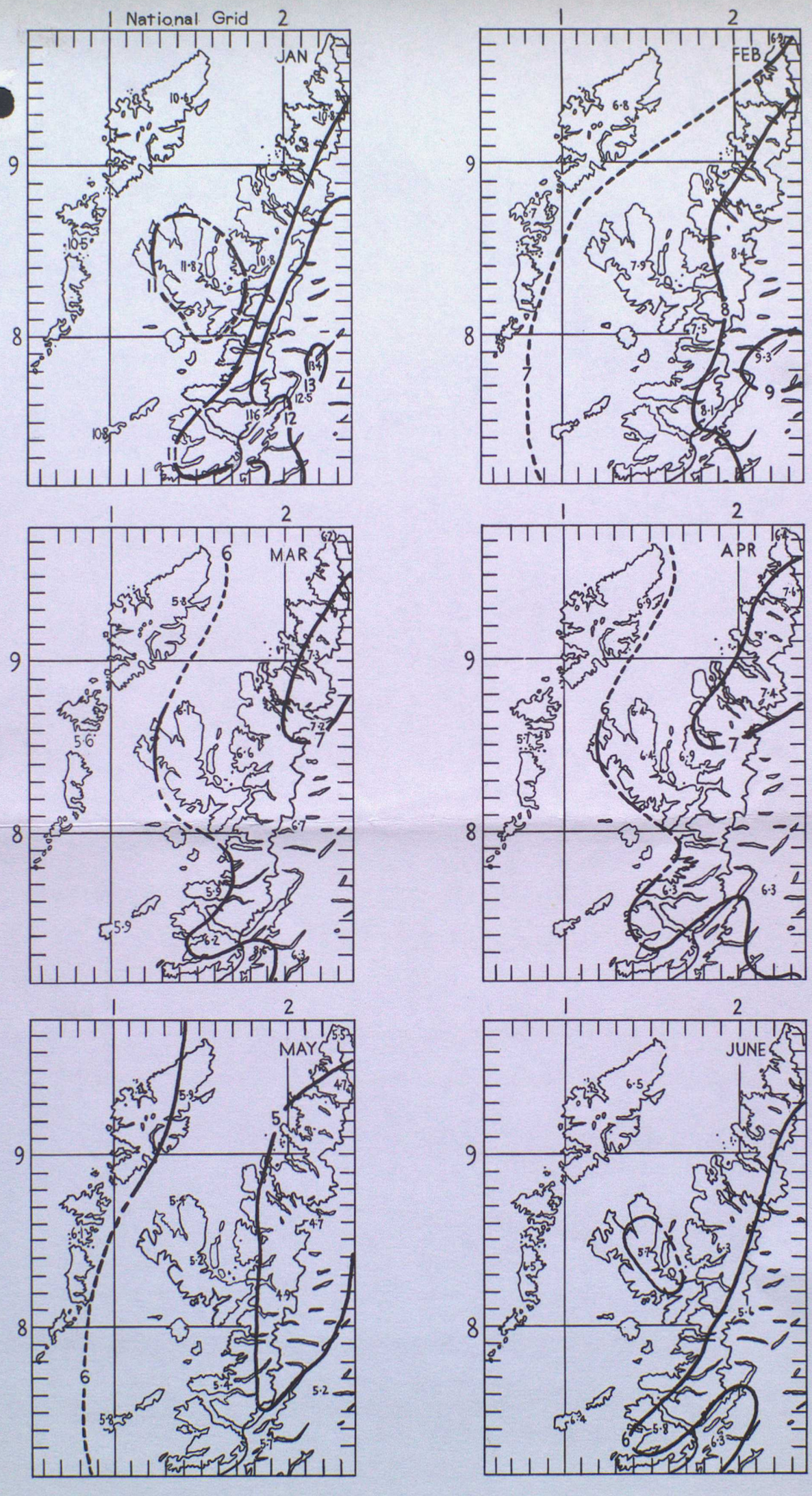

Fig 1. Average Monthly Rainfall, as Percentage of Average Annual Rainfall, 1916–1950, January to June

Fig 1. Average Monthly Rainfall, as Percentage of Average Annual Rainfall, 1916–1950, July to December

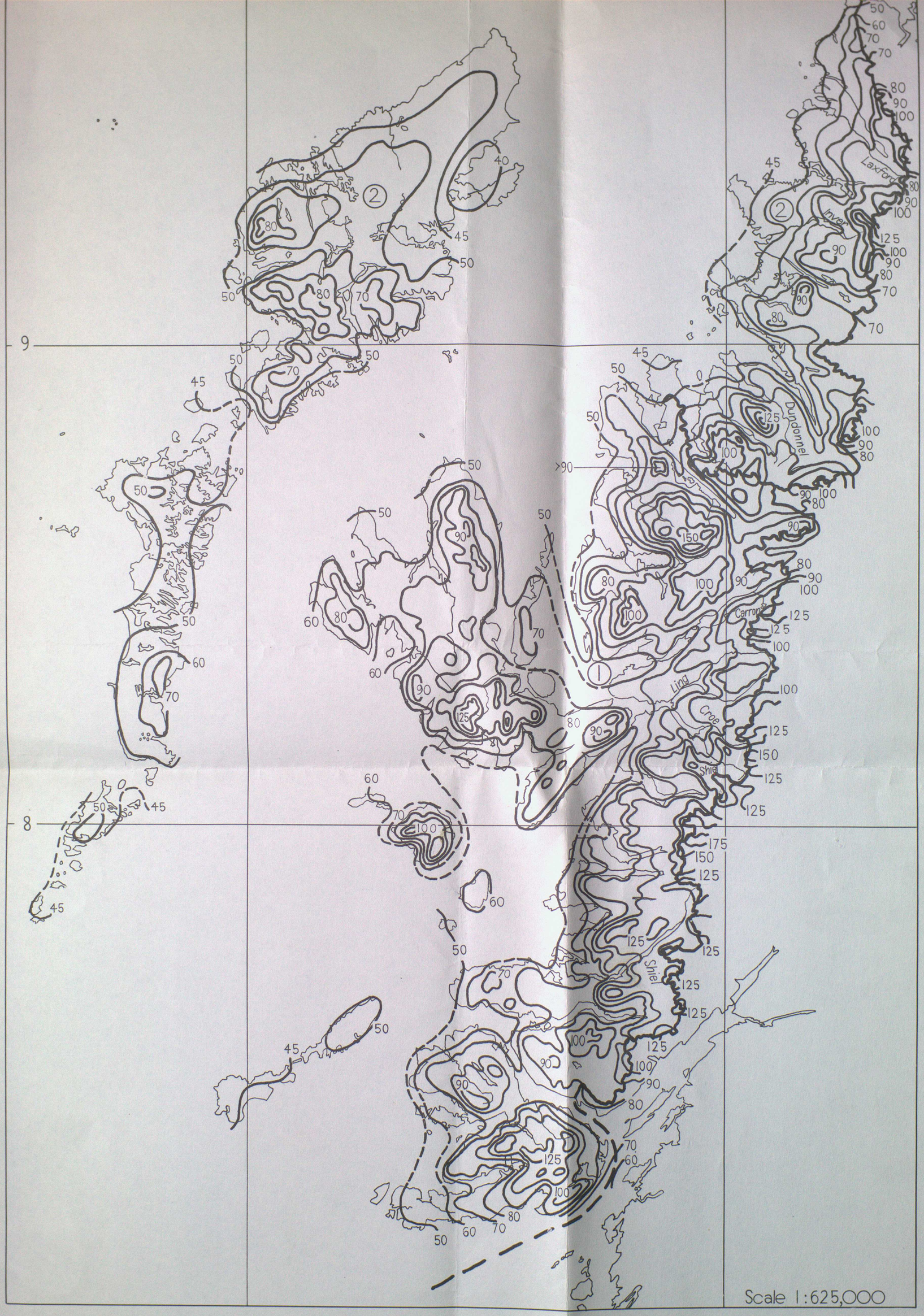

Fig 2 AVERAGE ANNUAL RAINFALL, 1916 – 1950, (in inches) over the hydrometric areas of:

①

92 Loch Shiel
93 Loch Alsh
94 Loch Maree

②

95 Laxford
105 Inner Hebrides
106 Outer Hebrides